

Men's and women's basketball teams play in quarterfinals in RMAC



STEVEN WOOLDRIDGE / OREGONIAN



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Levi Hamilton (#40) edges past a Colorado Christian University defender to score two points in Tuesday night's RMAC quarterfinal playoff game.

Emily Dalton (#15) takes a jump shot just outside the key against Metro State. See more photos on pages 6 and 7.

Wellness Day comes back to Mines to de-stress and inform

Alec Westerman
Staff Writer

Wellness day is an annual event. Though divided in the responses it draws, it fostered an environment in which students can explore new opportunities for living healthier lifestyles. It offered a mix of information and attention getting fun and goodies, drawing quite a crowd this year.

"It was so good!" declared Cody Walega. He expounded, "It was fun. People came up with fun ways to get you to learn about health." However, when asked if he thought that the wellness fair could be any better, he admitted, "This is my first wellness day." After some thought, he noted, "There was just a little waiting in line." Nate Caulum, a friend of Walega's said, "It was pretty super!" One aspect of value that

he commented on, "They gave you techniques to relieve stress, which could be useful at this school." Near the end of the discussion, Walega asked, "Why was there a bank there? Financial health?"

On a less optimistic note, Andrew Naibauer complained, "Not enough free food." He explained, "I wanted those iced tea people to come back." Offering a positive comment, he added, "I really liked the people with the sandwich tray... it was the health food store." As far as what he felt he learned from wellness day, Naibauer commented, "I'm gonna visit the Chamber of Commerce and get a bike and trail map." As to the long term success of the event, Naibauer offered another negative review. He explained, "It obviously wasn't very successful because it's mostly under classmen... The upper classmen didn't come back."

In a positive appraisal, Nubia Galindo commented, "It was pretty sweet! You get free stuff! What more could you want?"

Emily Coor, one of Galindo's friends, noted, "I learned that flossing your teeth can increase your lifespan."

Another friend, Jessica Vosler, noted "I learned that the majority of the people at this school are tense." She also commented, "We got a lot of discounts around town for healthy food." Continuing the trend, Galindo commented, "I learned about businesses." She too, commented that she felt the coupons would be very useful.

Rummaging through her bag of loot, Vosler drew attention to a curious item jesting, "A rock for deodorant...it rocks!" Reading the label, Coor asked, "Who puts deodorant on the soles of their feet?"

It's price tag week again

Sara Pond
Associate Director, Annual Giving

Look around campus this week: you are bound to see price tags attached to books, computers, lab equipment, treadmills and even buildings. These price tags symbolize the "rich" tradition of philanthropy at Mines. Pun intended.

Philanthropy has been at the heart of the Colorado School of

Mines since day one. Donors to the school have helped Mines become a nationally and internationally-recognized university. Today, more than 4,000 alumni, parents and members of the campus community make annual gifts to ensure that students have the best resources possible.

Be sure to visit giving.mines.edu/students to learn more about how philanthropy impacts you as a student.

Come celebrate that 40% of your education is funded by outside support! Join us at one of the booths below to get a **FREE** donut, cooKEY or hot chocolate:

- Mar 8 – FREE donuts (8-10am at the W Corner of Meyer Hall)
- Mar 11 – FREE cooKEYs (11-1pm at the W Corner of Meyer Hall)
- Mar 12 – FREE hot chocolate (9-11am outside the Student Center or on Kafadar Commons)

While at the booth, be sure to pick up a BINGO card to complete by finding various price tags around campus. The first 50 students to turn in a completed BINGO card on Friday at the hot chocolate stand will receive a 20% off coupon to Blue Canyon & Underground.

Scientific discoveries this week

Jake Rezac, Content Manager

Riverside, CA – Despite claims that children learn vocabulary from educational tapes, a new study says babies are no better off watching those tapes than not. The study was performed by determining if children who watched educational videos made specifically to teach words to infants knew those words after 6 months of watching the videos. The answer was a conclusive no. In fact, the study suggests that language development may be hindered by watching such tapes.

Göttingen, Germany – Although heat is often considered bad for computer performance, a new study suggests that random heat fluctuations can make memory storage more energy efficient. By taking advantage of random thermal changes, a circuit could use less power and be, in essence, boosted by the change in heat. This would allow computers and other devices that use memory to be more energy efficient and just as powerful.

Central Chile – The massive 8.8 earthquake that devastated parts of Chile last week sped up the Earth's rotation and changed the Earth's axis. By shifting huge rocks near the Earth's core, the planet's axis was tilted and the length of a day was slightly (and insignificantly) changed. According to researchers, a day is now 1.26 microseconds shorter than before the earthquake.

Yucatan, Mexico – Scientists have reaffirmed what has been thought for years; dinosaurs, and many other creatures living in the time of dinosaurs, went extinct due to a huge asteroid crashing into earth 65.5 million years ago. The asteroid's huge size wiped out life within half a continent, and the dust put into the air by the crash changed the Earth's climate for at least a decade. The Sun was blotted out by clouds and it rained sulfuric acid on the dinosaurs. The report says that other theories on the destruction of the dinosaurs should be taken as false from now on, due to the overwhelming evidence of the asteroid.

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Headlines from around the world

Emily Trudell, Staff Writer

A group of parents met to discuss pulling their children out of the **Sacred Heart of Jesus School** in Boulder after a student was not allowed to re-enroll at the school because that student was parented by a gay couple. The Denver Archdiocese defended the school by arguing that homosexual relationships violate the beliefs of the Catholic Church.

Federal Judge **Wayne R. Andersen** refused to dismiss the civil lawsuit that accuses former Defense Secretary Donald Rumsfeld of liability for the torture of two United States citizens who were working with an Iraqi contracting firm by US military forces. The judge said that it is unconstitutional for federal officials to strip the rights from US citizens regardless of the situation.

The Nasdaq closed Friday at an 18-month high, while the Dow Jones industrial average gained 1.2 percent, and the S&P 500 increased by 1.4 percent, the highest since January. The **U.S. unemployment rate** remained at 9.7 percent despite forecasts that it would increase to 9.8 percent.

A 6.5 magnitude earthquake struck 215 miles south of **Padang, Sumatra**. The quake was centered 13.7 miles deep, and there were no reports of injuries or Tsunami warnings.

Six passengers were killed and sixteen more were taken to hospitals Friday after a bus crash on the Arizona interstate. The Department of Transporta-

tion said that the bus company **Tierra Santa Inc.** was operating illegally as it had never completed its application to operate as an interstate bus company.

Officials released that **John Patrick Bedell**, 36, the man accused of shooting and wounding two police officers outside the Pentagon, suffered from bipolar disorder. Bedell was shot and killed when the officers returned fire. Officers Marvin Carraway and Jeffrey Amos were treated and released from a hospital.

Egyptian President Hosni Mubarak, 81, underwent gall bladder surgery, leaving the nation's Prime Minister, Ahmad Nazif to act as president during his recovery. Mubarak has served as Egyptian President since 1981.

President **Barack Obama** pledged to cut the number of nuclear weapons in the U.S. arsenal to mark the 40th anniversary of the nuclear non-proliferation treaty. Obama also stated that he would seek ratification of the Comprehensive Nuclear Test Ban Treaty, which bans all nuclear explosions. It is estimated that the U.S. has one of the largest stockpiles of nuclear weapons, roughly 2200 warheads, compared with Russia's estimated 2800.

A report by the British group Action on Smoking and Health says that a **five percent tax increase** for tobacco products would deter children from buying cigarettes, help adults quit, and ultimately lead to a drop in the amount of smokers in the United Kingdom.



Local News

Colorado School of Mines announced the establishment of the first student chapter of the Underground Construction Association of the Society of Mining, Metallurgy and Exploration.

CSM Baseball splits a two game double header against Regis University. In game one, Mines won 7-5 but lost in game two 4-6.

CSM Softball posted a 4-2 win against CSU-Pueblo on Saturday March 6th but lost in their second game 1-6.

Sarah Moore, a freshman diver from Littleton, Colorado, was named the Rocky Mountain Athletic Conference women's athlete of the month for February.

CSM students captured the trophy for the second consecutive year at the TMS 2010 Alcoa Materials Bowl. The bowl was held at the The Mineral, Metals & Materials Society (TMS) Annual Meeting & Exhibition in Seattle, Washington.

Correction: The article "ASCSM gets reality check?" incorrectly stated that ASCSM passed bylaw changes. ASCSM proposed bylaw changes but did not pass them.



Geek of the Week

...Elliot Matthews, Sophomore: Geological Engineering

Dan Haughey
Staff Writer

Do you consider yourself a geek?

Certainly! I have a thorough fascination with geology and ground-water. It is a true hunger for all knowledge concerning the two.

How did you come to be at Mines?

To be honest, it was nothing short of miraculous. I first encountered Mines through its geology museum when I was a toddler. However, it was until the beginning of my Senior year in high school that I re-discovered Mines. I semi-jokingly asked my advisor to send for information from the school and then was surprised when a week later I was seriously looking at the institution. I visited the school twice and the rest is history.

What is the geekiest thing you have seen or done?

I have a habit of stopping by gravel pits and rocked front yards to examine the rocks and minerals therein.

What is your favorite geek joke?

M.E.s break down, E.E.s lose their charge, and P.E.s dry up, but G.E.s never lose their luster.

Star Wars or Star Trek? Why?

Tough one! I dig DS 9 and the later TNG episodes, but I think I must defer to Star Wars. It is just so much more epic [sic] from its music to its visual effects.

What are your hobbies?

I've got a lot of them. Rock-climbing, rock-hounding, hiking, camping, fishing, hunting, mountain biking, and various redneck sports like possum tag, car hooding, and mudding.

What is the geekiest thing you own?

By far it would have to be my monstrous Gaming XPS laptop that everyone makes fun of me for having in class. It is quite large. Thanks, Ann!

What has been your favorite class at Mines?

So far, completed, I would have to say GEGN 202 with Humphrey and Santi. Between the material and the field trips, it was simply awesome!

What is your favorite piece of technology?

My XPS and Canon camera. The combination of the two technologies makes up my one favorite piece of technology.

What is your favorite movie?

Another tough one. I have very diverse tastes in movies. Top three that come to mind, though, are Jeremiah Johnson, Day at the Races, and Singing in the Rain.

What is your favorite book?

Recently, I read Horse Soldiers, a recent best-seller about the amazing story of the U.S. Special Forces in Afghanistan who combined horse cavalry charges with modern technology to route the Taliban. A must read in my opinion.

What clubs or activities are you involved in?

I am the Event Planner for the Student Chapter of the Association of Environmental and Engineering Geologists here on campus and a national member of both the AEG and the NGWA.

Who is your role model and why?

To choose one out of the many is impossible for me. I derive wisdom and inspiration from a lot of folks. My parents, my grandparents, and people I don't even know. The story pretty much follows that if you follow the truth regardless of the outcome, you stand a good chance of being a role model of mine.

What is your favorite OS? Why?

Windows 7. Need I say more?

What is your favorite formula and why?

Darcy's Law pretty much says it all for me as a Hydrogeologist. It deals with the relationship between the amount of water discharged per unit of time through a give strata and the permeability, cross sectional area and drop in gradient.

If you were stuck on a deserted island and you could only bring 3 items, what would they be?

Easiest question ever. K-bar, beef jerky, and a de Havilland Beaver.

If you were to come up with a class for CSM what would it be?

An archery class would be cool. It is one sport that I miss a lot and if I had a class that would give me time and a place to do it.

If you could be anyone else, who would you be?

I'll defer that question to any 40-year old overweight bald man wearing a professional sports jersey.

What is one thing you love at Mines? One thing you would like to see changed?

They are still preserving the integrity of the curriculum. Minimum 15 credit hours, tough exams, and tough yet meaningful courses. God, I love it like a Marine loves his Rifle. May that standard of excellence continue forever. What I do not like is the disbandment of some of the traditions like the M-climb. In my view, it is but a shell of its former significance. The memories that I will forever carry with me didn't involve getting a pat on the back from upperclassmen. What made the M-climb for me was battling the upperclassmen with song and irreverence.



COURTESY ELLIOT MATTHEWS

TECH BREAK

Ian Littman
Tech Break Columnist

Four months or so ago, I wrote about Comcast's accomplishments in the internet arena. Since then the changes, which affect a significant number of people in the Golden area, have kept on coming.

First and foremost, Comcast has launched the "Xfinity" service in some areas. The brand follows in the footsteps of Verizon's FiOS and AT&T's U-Verse and carries with it some minimum specifications on TV, internet and phone service to compete with the fiber-to-the-home technologies of its telephone company competitors.

They key word here is "competitors." The brand hasn't launched in Colorado because Qwest uses DirecTV to provide TV service, and still serves much of the area with several-year-old plain-vanilla ADSL service. Qwest is pushing fiber closer to its customers' homes and raising speeds as a result, but many areas have awhile to wait until Qwest's cute photon-focused web advertisements are even ten thousand feet from the truth.

That said, Comcast did upgrade last summer, and Xfinity rides on this new platform. The company, now the single largest internet provider in the U.S. by subscriber count, is promising that their top internet tier – clocking in at 50 megabits per second on downloads and 10 Mbps on uploads – will increase to a full hundred megabits per second of download speed by the end of the year in 20% of its markets. Comcast has also thrown out a much higher percentage figure on their internet service: by the end of this year 100% of their markets will have the same speeds that folks in Golden have enjoyed for the last seven and a half months.

One nice thing about Comcast is that they're dropping non-Xfinity users a bit of a bone as well; by summer, their Blast internet tier, one notch above their standard offering, will be bumped from 16 Mbps down and 2 Mbps up to 20 Mbps down and 4 Mbps up region-wide. To my understanding the tier, which costs \$65 plus modem rental per month without

TV service, has already been upgraded in Denver itself. Speaking of modem rental, the fee now provides a wireless router as well as a modem for those who don't want to shell out \$50-\$100 for the device. The company hands out higher-end 802.11n routers to customers on their advanced speed tiers, and 802.11g units to folks who pay less per month.

Going back to Xfinity, the company is eschewing analog channels for HD offerings, pushing a full hundred HD channels in Xfinity markets like Chicago, where they compete with AT&T U-Verse, and Chattanooga, where the city's Electric Power Board has launched Fiber to the Home (FTTH for short). The company has also amped up niche and international programming in these areas, though technically none of these enhancements require the brand name to exist. On the phone service side, Comcast's custom HomePoint handset is closer to a cellular phone in features than a landline, something that Comcast apparently hopes will keep people on their service rather than a landline, VoIP or cellular competitors.

Back on the broadband side, Comcast has announced that it has completed trials of upstream channel bonding on its cable modem system. When upstream bonding is implemented, the company will more than double its upload capacity per-area cable system. This will allow it to compete on upload speed with, for example, Qwest's limited-range 40 megabit download, 20 megabit upload VDSL2 service. The great thing about this upgrade is that most current DOCSIS 3 modems can already do upstream bonding; it just isn't enabled on the provider side yet. Upstream bonding could very well spell the end the cable company stigma of lopsided download-to-upload speed ratios, a problem that FTTH doesn't have. That said, Comcast is experimenting with eight-channel downstream DOCSIS 3 service, delivering a whopping 250 megabits to a well-heeled subscriber or two, putting service back on the asymmetric side again. Comcast doesn't appear to be planning a response to Google's gigabit fiber project, but 250 Mbps isn't too bad for a service running on coaxial cable.

It appears that this format will

be around for awhile too; they have multiple vendors working on a high-density software-defined "god box" to deliver both internet and TV in a single chassis, rather than spreading duties over a much larger system that needs separate components for the two services. The spec should be completed around summertime, with hardware hitting the streets sometime next year or the year after.

On the wireless side, Denver will soon be blanketed with Sprint's "4G" WiMAX coverage, which Comcast resells under its own branding at a discount for its wireline internet customers. Verizon's LTE network might end up delivering more than the six to ten megabits down and one megabit up that Comcast WiMAX users in other areas see, but LTE won't be around for another year or two. As for the other big cellular rivals, T-Mobile's HSPA+ network certainly won't beat WiMAX speeds, and AT&T appears content with sitting on their 7.2 Mbps HSPA hands, scurrying around their tower footprint in an effort to ramp up capacity to keep the mobile bandwidth apocalypse at bay. Plus, WiMAX doesn't have a 5GB data transfer cap, something that Verizon may or may not institute on their next-gen service, which is resold by Qwest in these parts.

The bottom line here is that Comcast is actually doing a decent job at serving their customers. I'm not debating Comcast's rate increases over time, or the merit of its decision to leave price-conscious buyers to the DSL doldrums; these observations are true enough. I won't even argue with the folks who despise Comcast's 250 gigabyte per moth residential broadband soft cap, avoidable by a quick upgrade to relatively inexpensive business class internet service. My single point is that, as cable operators go, Comcast in this area remains on the leading, if not cutting, edge of its field by its own volition.

Okay, I'll admit it: I want someone else to come in and give Comcast a run for their money in this area so I don't have one choice for internet that isn't hanging with the Slowskys. But at least I have one high-quality, albeit expensive, option for a pipe to the inter-tubes.

Music Review: The Knew's Pulperia

Tim Weilert
Staff Writer

First order of business: Define "pulperia." One translation offers this definition, "In America, a grocery store (tienda), where all sorts of provisions and liquors are retailed." While the newest full-length from Denver-based The Knew may not be Latino grocery-store-music, it is certainly the kind of music that will have you dancing as if you just visited the pulperia to pick up some beer.

Second order of business: Review Pulperia. From the first track, four-on-the-floor drum beats provide the base for most of the 11 guitar-rock songs. The entire record reminds me of good old surf music (complete with shim-

mery guitar tone), which mixes well with singer Jacob Hansen's accessible vocal style. The tracks

"Citytown" and "Still On Fire" stand out as two of my personal favorites for their danceability and raw energy.

Pulperia will officially be released on Saturday March 6 at the Bluebird Theater (also playing: The Photo Atlas, Common

Anomaly, Jonny Woodrose & The Broken Hearted Woodpeckers, and DJ Iridel).



COURTESY THE KNEW

ATHLETE OF THE WEEK

...DREW HOFFMAN, JUNIOR; BASKETBALL TEAM

Trevor Crane
Staff Writer

The Mines men's basketball team saw some unprecedented success on the court this year. They won the most conference games in school history, finished first in the RMAC East division, and hosted a RMAC Shootout quarterfinal game against Colorado Christian. The Orediggers suffered numerous injuries and struggles throughout the season and were forced to rely on play from veterans on the team like junior guard Drew Hoffman. Hoffman, a California native, found his stroke late in the year as he became a consistent shooter and nearly shot Mines into postseason play. He was named the RMAC East division player of the week in mid-February and has evolved into a dangerous scorer on the court. But, as with so many of the student athletes at Mines, their lives go much further than sports.

Oredigger: When did you first begin playing basketball?

Hoffman: I started playing ball in about the sixth grade.

Oredigger: What is your

best basketball memory that you have been a part of?

Hoffman: I remember a play-off game we had in high school. We had won our league and got to host a playoff game against a team that had a bunch of Division I players. The stands were packed and there were people crowded on the sidelines. The atmosphere was amazing.

Oredigger: What other sports do you like to watch or play?

Hoffman: To watch? Obviously football for me. But to play, I actually love to play tennis and a little water polo, too. I grew up in the Fresno area and I got to play a lot of water polo there, it's a really fun sport to play.

Oredigger: Do you prefer NBA or college ball? Favorite team?

Hoffman: I like the college basketball. I'm a big Stanford fan because I grew up so close to them. I actually grew up really close to the Lopez twins. In the NBA, I really like the Jazz and am a big Steve Nash fan.

Oredigger: Why did you choose to come to Mines?

Hoffman: I wanted to be an engineer and my family was an engineering-ish family.

Oredigger: What is the hardest part about being a student athlete at Mines?

Hoffman: Definitely the mental part. You have a lot of stress to deal with and not very much time. I have class basically from 8-4 every day, then practice for a couple hours and I don't get home until about seven. Then I get to eat and then it's usually homework from then until 12.

Oredigger: What do you like about Mines?

Hoffman: The small size of the student body. It's a small community and you get to know everyone.

Oredigger: What is the worst part about Mines?

Hoffman: The cold.

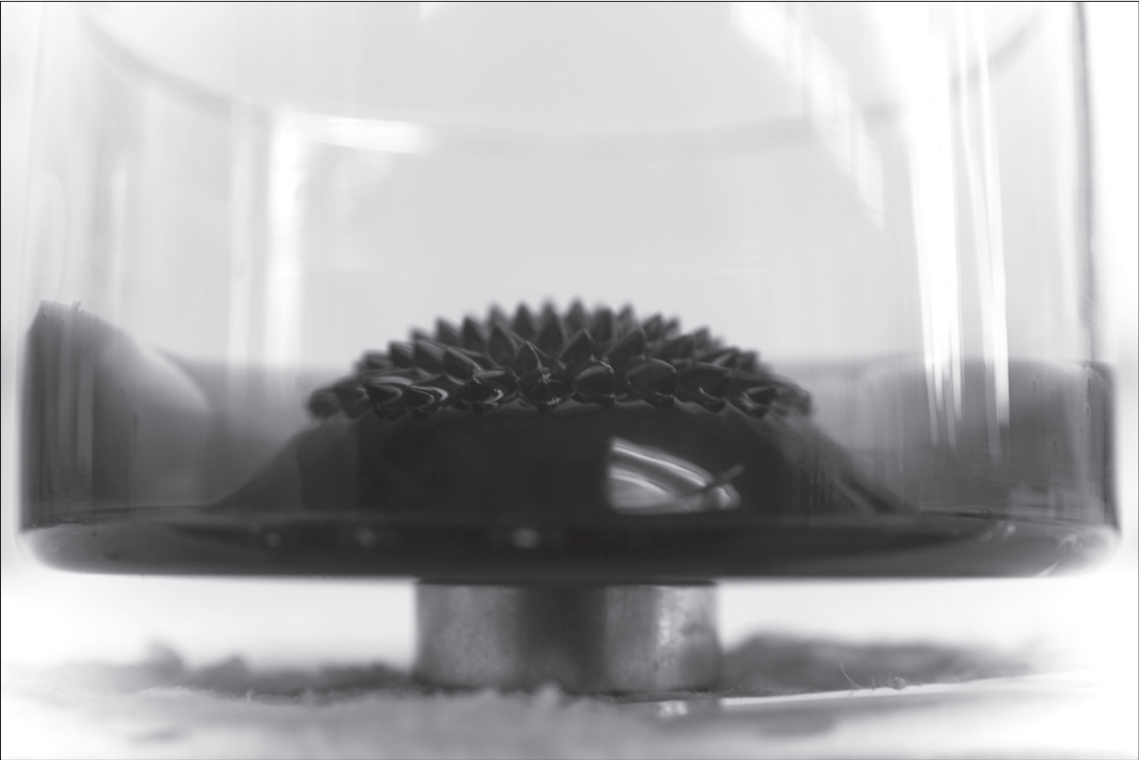
Oredigger: What was it like being on such a successful team this year?

Hoffman: It was cool. To go from not doing very well at all the last two years to winning so much at the end of this year. We had some struggles at the beginning of the year and lost a bunch of really close games in a row. It was nice for our hard work to finally pay off for us at the end.

TREVOR CRANE / OREDIGGER



Art of science



ERIK LORD / OREDIGGER

Image: Ferrofluid demonstrating the magnetic field lines created by a permanent magnet

“Art has a double face, of expression and illusion, just like science has a double face: the reality of error and the phantom of truth.”

~Rene Daumal

The Reverend completes a perfect dinner

Kevin Lock
Staff Writer

Avery Brewing is known for its specialty beers and unique flavors. For the next few weeks, I will be covering the “Holy Trinity of Ale” by Avery Brewing Company out of Boulder. This trinity includes the Reverend Quadrupel Belgian-Style Ale, Hog Heaven Barleywine-Style Ale, and Salvation Belgian-Style Golden Ale. All of these beers are distributed year round in 22oz bombers, 1/6 barrel pony kegs or full 1/2 barrel kegs.

This week I bought ‘The Reverend Quadrupel Ale’ at \$6 for 22oz, which, in my opinion, definitely deserves to be grouped into any trinity of beers. With a lively head and dark, red-amber color, this beer tastes even better than it looks, which is saying something! The malt, fruit and hops in this beer all come together to create an extremely satisfying beer that covers the whole gamut of beer flavors with each sip. As I drank this beer, I could not place my finger on all of the flavors it brings to the table. The hops are subtle, but there and delicious, enough to satisfy an IPA lover like myself, however, this beer only boasts 10 IBUs. Maybe it is just that I have the old saying, “Candy

is dandy but liquor is quicker” in my head, because at 10% alcohol by volume, this beer not only awakens every taste bud you did not know you had, but it gives a slight alcoholic tingle when held in your mouth.

One bottle of this beer with any meal is perfect; it will compliment anything from spicy wings or greasy pizza to a juicy steak or a colorful salad. Alone, this beer is

also very tasty, not requiring any food pairings to dampen offensive flavors, but at 10% ABV, the Reverend may sneak up on you; to avoid flashbacks of your Catholic school upbringing, please enjoy this beer responsibly. As this beer is enjoyed and the flavors it presents are explored, it opens your senses to spice with earthy malts, followed by a slight flowery hop bitterness and finishes with an orange citrus flavor. Avery

Brewing’s website states that this is “a divinely complex and beautifully layered beer with hints of dark cherries, currants, and molasses, complimented by an underlying spiciness.”

I feel that this beer, although slightly filling, is very tasty. I was unable to pin down all of the flavors in the beer and fellow tasters had the same feeling, “It is different, and a little nutty with quite a bit going on.”



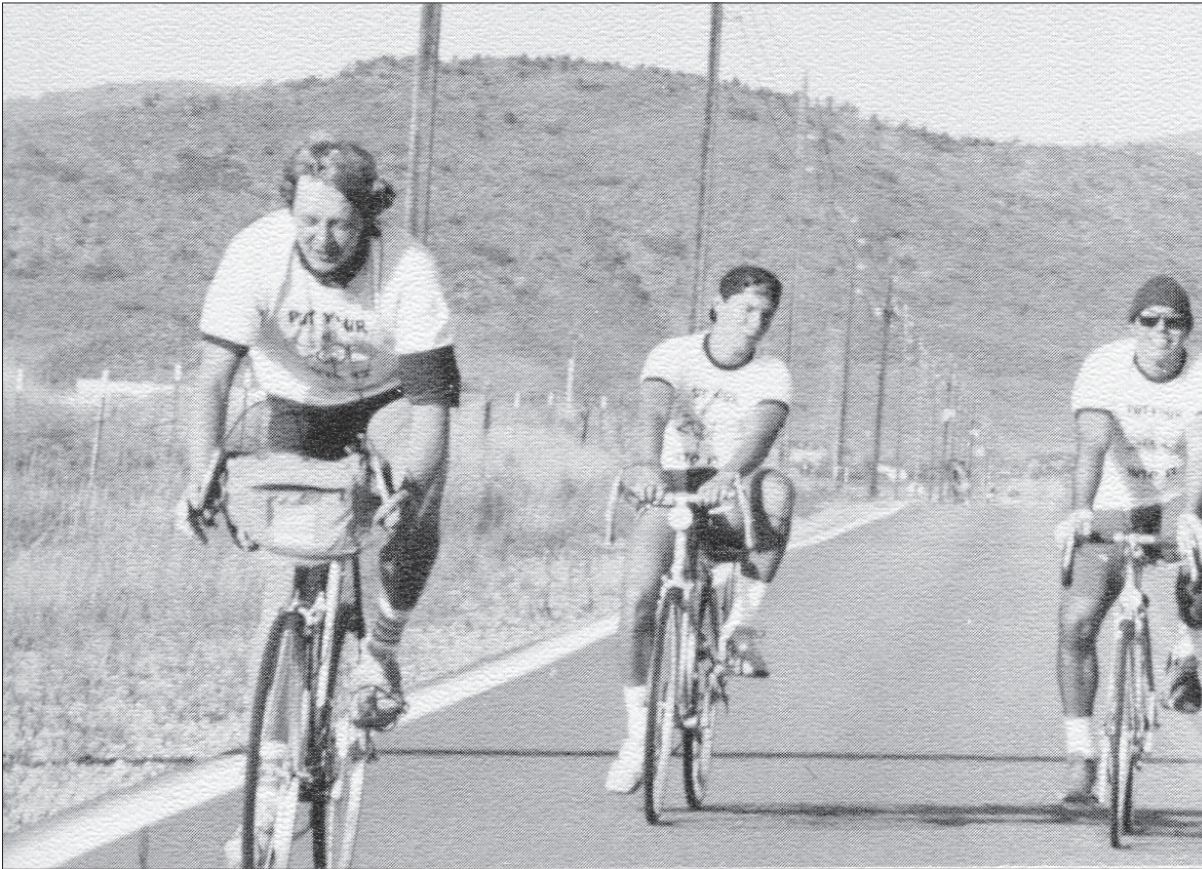
KEVIN LOCK / OREDIGGER

Cooking Corner: cheese straws

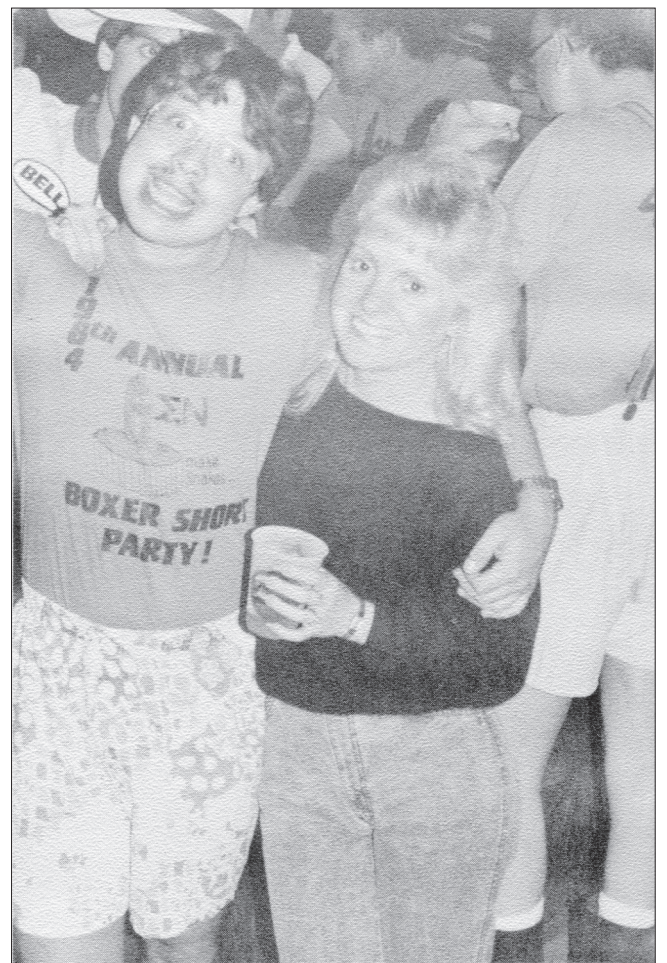
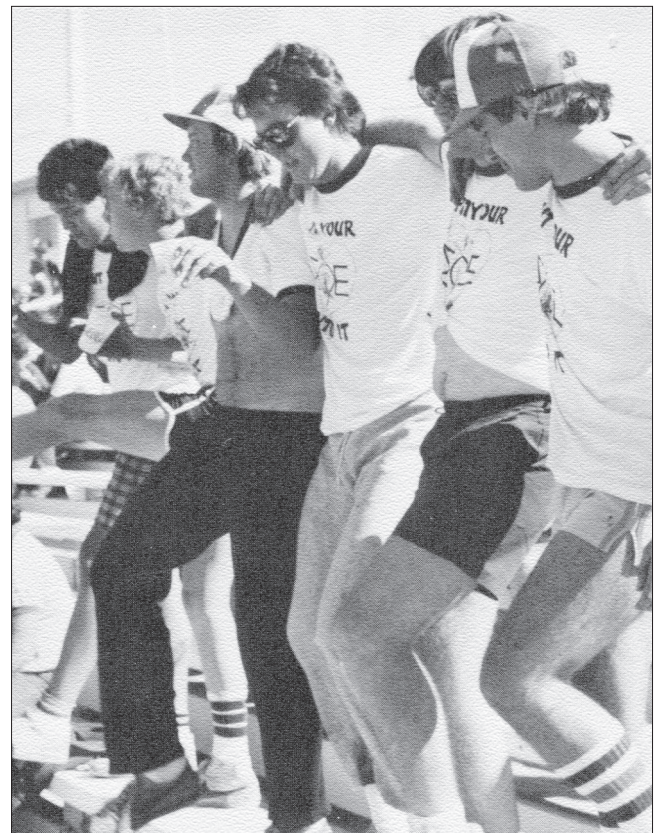
Neelha Mudigonda
Managing Editor

- Ingredients:**
- 2 pastry sheets
 - Flour
 - 1 large egg
 - Water
 - ½ cup parmesan cheese
 - 1 cup grated Swiss cheese
 - 1 teaspoon salt
 - Ground black pepper
 - ½ teaspoon paprika [optional]

- Recipe:**
1. Preheat the oven to 375 degrees F.
 2. Roll out the pastry sheets into 10" x 12" parts and dust them with flour so they don't stick to the surface.
 3. Beat the egg with 1 tablespoon of water and spread the mixture on top of the pastry sheets.
 4. Sprinkle the surface of each sheet evenly with the two cheeses, half a teaspoon of salt, some pepper, and any other spices you would like to add.
 5. With the back of a spoon or with your fingertips, press the ingredients into the pastry sheets.
 6. Cut the width of each sheet into 12 strips with a butter knife and twist each strip into a swirl.
 7. Spray the baking sheets before placing the strips on them. Bake for 10 to 15 minutes.
 8. Turn the straws over and bake for 2 more minutes. Make sure the cheese doesn't burn!



We have been uploading archived yearbooks online. Below are excerpts from the Sigma Nu and Sigma Phi Epsilon spreads of the 1985 yearbook.



To see more yearbooks, go to oredig.us/1.

ALL PHOTOS STEVEN WOOLDRIDGE / OREDIGGER



Above, Brecca Gaffney (#42) makes a layup against Metro State.



Above, Laura Brigham (#23) drives to the key to make a two-point shot.

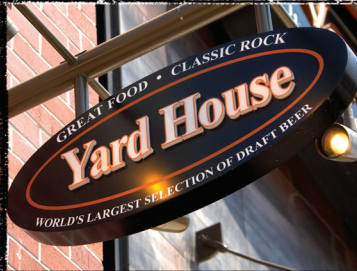


To the left, Brecca Gaffney (#42) gets a finger on a layup during Tuesday night's RMAC playoff game.

To see more photos, go to oredigger.net/sports.



Above, Angie Charchalis (#25) shoots a three late in the game.



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Below, Brett Green (#11) easily scores during a breakaway.



Below, Brett Green (#11) reaches new heights during Tuesday night's game.



Below, Gordon Galloway (#52) makes an unusual layup.



Below, Gordon Galloway (#52) drives to the hoop despite heavy defense.



To see more photos, go to oredigger.net/sports.

ALL PHOTOS STEVEN WOOLDRIDGE / OREDIGGER

CSM overcomes in playoff overtime

Trevor Crane
Staff Writer

It has been a roller coaster campaign for the Colorado School of Mines men's basketball team this season. Unfortunately, they entered Tuesday night's RMAC quarterfinal against Colorado Christian University on the low swing. Mines put up a strong fight over 4 quarters, but couldn't sustain it as they fell 77-72 in overtime to the Cougars.

The Orediggers entered the night after earning their first 1st place finish in the RMAC east division in school history and riding an 11-1 record over their previous 12 games. "That's the tough thing," forward Drew Hoffman had to say, "is that we can go 11-1, but it's one and done when you get to the tournament. You don't get any second chances."

The game opened with a heightened pace, no surprise for postseason play as a combined 35 points were scored in the first five minutes. The Cougars began to pull away with a couple runs midway through the first half, but Mines kept them in sight. After a steal and a dunk by freshman Brett Green, they closed the gap. The Orediggers finished the half with an 8-3 run to tie the game at 32 and gain momentum heading into the break.

They picked up right where they left off in the first half by opening up a lead of their own in the second. Two monster rejections in a row by Gordon Galloway electrified the crowd and sent chants of "Gordo Magic" through the air. An alley-oop from Green to Dale Minschwaner capped off a 10-3 run by Mines to open the half and with less than 13 minutes to play, they found themselves with the momentum and a 42-35 lead.

Colorado Christian kept themselves in the game with their three point shooting, as Minschwaner, Galloway and Levi Hamilton kept 6'11" center Justin Neuhaus at bay, for the most

part. But consistent shooting allowed the Cougars to eventually take over the lead midway through the second half. With just under 5 seconds to play, Mines found itself trailing 64-62. But after a missed three by Hoffman, Galloway corralled the rebound and tied the game with 1 second left in regulation.

In overtime, CCU pounded the ball inside with Neuhaus as both Hamilton and Minschwaner had fouled out. And with just under four minutes to play in the extra frame, Christian regained the lead and never looked back.

As has been the case throughout the season, it was free throws that crippled Mines. They have shot 71% over the season but only 58% (14-24) during Tuesday's game. In contrast, CCU shot 92% (23-25) from the line overall and only missed one of ten in overtime to ice the game.

It was a disappointing end for the Orediggers who were just beginning to get national recognition for their performance. Junior guard Sean Armstrong led Mines with 20 points in the loss while Hoffman added 17 and Minschwaner contributed 14. "Give credit to Christian," said Armstrong. "They played a great game. We are all happy with how the regular season went. We had some injuries this year and the other guys really stepped up and filled their role."

But despite the loss, Minschwaner described the season as "over-accomplished." They were a team that lost two potential starters at the beginning of the season, and injuries galore throughout the rest of the team. Nobody picked them to be a top team in the RMAC. Add all that together and you get a team that won more conference games than any other in school history, claimed the RMAC east regular season crown, and stunned Metro State twice. And the great part? Everyone but Hamilton will be returning to play next season and they now have had a taste of success.

ORC bouldering comp brings in solid attendance, fierce competitors

Trevor Crane
Staff Writer

With Red Rocks Park, North and South Table Mountains, and other natural features so close, it is no surprise that the climbing community in Golden is growing. Once again, the Outdoor Recreation Center (ORC) hosted a bouldering competition to let climbers put their skills to the test. Just over 30 competitors participated last weekend in what has become a biannual event. ORC staff member and Colorado Mines student Cameron Frisby was one of the many people that made this event happen and he was pleased with the turnout, "The amount of people that show up is just perfect. It's not too crowded, but there is still some quality competition."

The ORC spent a full week prior to the competition setting up for the event. The wall was closed for the week and the lower 15 feet of the wall was stripped down to accommodate new climbing routes. This year, Mines brought in a professional setter to set up some of the problems. The remaining routes were set up by some of the ORC staff.

The competition is separated into three divisions: recreational, intermediate, and advanced. They range from beginning climbers (having climbed less than 6 months) to some stiff competition and expert bouldering. Each division has ten problems set up, ranging in difficulty from 1-10. Competitors are placed into divisions based on their abilities and are then given three hours to complete problems associated with their division. "It's kind of a madhouse," laughed Frisby, who quickly added, "but in a good way."

Top finishers are decided based on the difficulty of the problems they completed in addition to the number of falls they have. This was the first year that

the ORC opened up the competition to non-students. Heading up the women's competition this semester was student Liz Major. And as for the men, Frisby explained, "We had this really competitive high school kid come in. He is involved with all kinds of bouldering competitions and he came in here and crushed the competition."

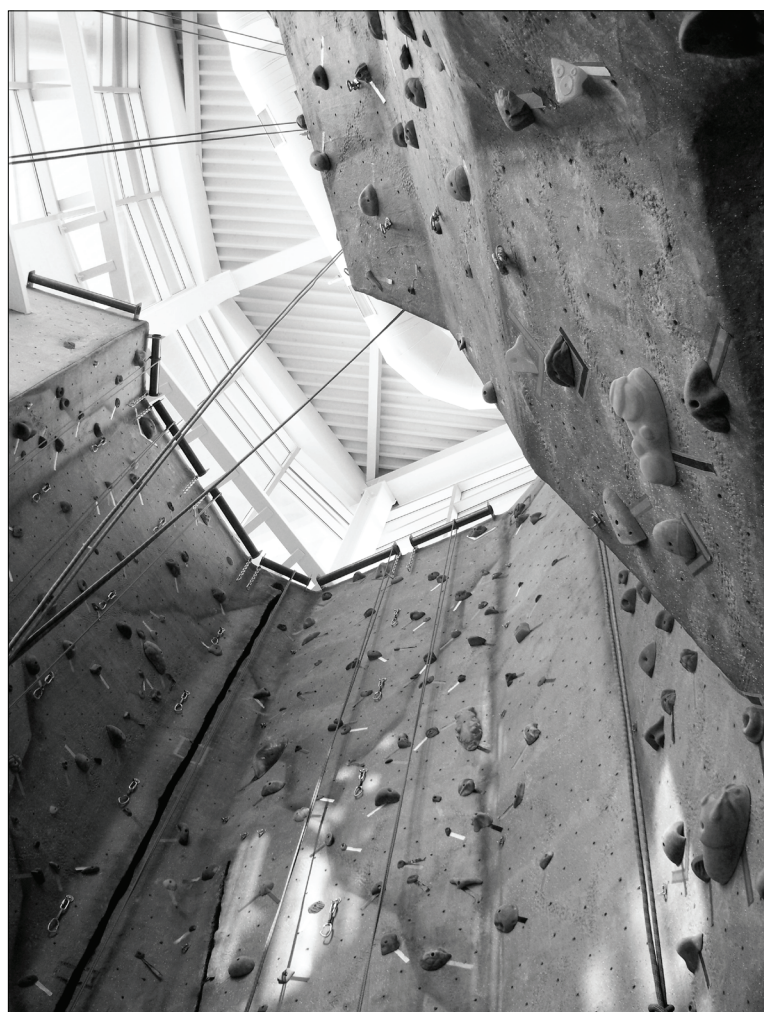
Awards were handed out to the top three places in each division, but that does not mean that everyone else walks away empty-handed.

After all the climbing is finished, the remaining prizes, which included harnesses, soft holds, Woody's pizza discounts, magazine subscriptions, and even expensive climbing wear

were all raffled to the rest of the competitors.

The event in the ORC is a way for climbers of all levels to come together and enjoy some bouldering. Frisby commented on how he loved the atmosphere at the competition. His favorite part was "the last, about half an hour, when a few people are left climbing, trying to finish that last problem. They are extremely exhausted and then they finally get that last hold right as they run out of time. It's awesome."

The ORC bouldering competition is a popular event among the students. Every semester the turnout is great and the competition is fierce. And, as only Cameron Frisby could say, "It's pretty sweet."



STEVEN WOOLDRIDGE / OREDIGGER

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Minds at Mines

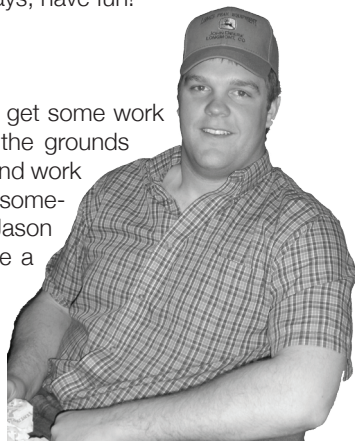
Spring break

Roby Brost
Staff Writer

In many classes here at the Colorado School of Mines, it is taught that the sum of components cannot be greater than their parts. In some cases, this is utter falsehood. Take for instance the two words "spring" and "break." The dictionary of Miriam Webster defines "spring" in a variety of ways: to rise, leap, move, or act suddenly and swiftly, as by a sudden dart or thrust forward or outward, or being suddenly released from a coiled or constrained position or the season between winter and summer: in the Northern Hemisphere from the vernal equinox to the summer solstice; in the Southern Hemisphere from the autumnal equinox to the winter solstice. "Break" is described as "an interruption of continuity; departure from or rupture with." Superficially at least, the sum of these two words means merely that a rest period occurs in the duration of time between winter and summer. While true, many a college student knows that this is a grossly anemic definition. These two words, when combined, represent freedom, relaxation, and opportunity. They conjure images of sun, sand, and small, striped umbrellas (preferably in large, cool glasses). Or perhaps they conjure images of snowy peaks, long naps, or family picnics. School work is pushed aside, at least for one more day, and that upcoming exam no longer seems as dire or imminent. Spring break is not merely some rest period between winter and before summer vacation, it is opportunity. Students here on the beautiful Mines campus often know how to make good use of opportunity whether spring break entails catching up on homework or catching some rays, have fun!

"My plan for spring break is to get some work done. I will either work here on the grounds crew here at school, or go home and work there. I'm sure that I will get in something fun though. I'm going to a Jason Aldean concert, so that should be a good time."

Joseph Spaur

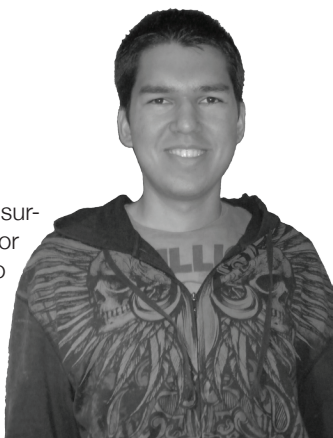


"I plan on doing some work, or some homework. As of right now, I plan to sleep in a little late, but I don't know. No firm plans yet."

Dan Feller

"Over spring break I will be having surgery. On the bright side, I'll get to relax for the next week. I'll get to see my family, so that will be nice, I guess."

Billy Leavenworth



"Over spring break I will be going on a vacation with my family, somewhere in Colorado. Then, I'll spend a few days sleeping and getting caught up on homework."

Susan Stebley

"I'm going to Via Case in Puerto Rico with my boyfriend. One thing that we are doing is going to swim in the bioluminescence bay. And drink Mai Tais on the beach."

Kacy Bill



ALL PHOTOS ROBY BROST / OREDIGGER

What's your



Jamie Thorpe
ASCSM President

Parking in front of the South IM fields should be restricted to compact cars only. When large vehicles park here it makes it dangerous to drive down the street.

I submitted this to Parking Services, and Nan Braddock responded that your concern will be taken into account in the new parking plan that is being formulated, and that this area may be re-signed for compact vehicles only. I'm sorry that immediate action is not being taken, but at least the school is in the midst of a parking re-structuring, so this may be addressed more quickly than it otherwise would have been.

For all of the tuition we pay, the administration needs to make

sure that we have enough classrooms, with the proper equipment (projectors, overheads, MARKERS). It is ridiculous that we pay so much and have crappy stuff - ESPECIALLY with tuition increasing yearly, and especially with the reputation the school has. It is embarrassing when important people come to campus and see ripped chairs and broken equipment, and only the Lord knows the last time I have seen a dry erase marker work in a classroom.

For all the tuition we pay, only about 60% of our total cost of education is paid for. Classroom equipment and capital construction are paid for by the Capital Construction Fee that we pay each semester, but there are many im-

provements that need to be made, and only a finite amount of funds that are allocated towards them. Classroom improvements that have taken place this year are listed below:

Brown 316B - \$130,000. The project is complete.

Coolbaugh 209 - \$220,000. The project is nearing completion (ordering new fixed seats).

Hill Hall 202 - \$15,000. The project is complete.

We anticipate having \$30K in unused contingency that can be rolled forward into this years projects.

Also, there were other classroom improvements made with funds from the Technology Fee.

In addition, the Brown Building Addition is being fully funded by students via the Capital Construction Fee.

Tim's two cents



Well-rounded

Tim Weilert
Content Manager

Last week I read an article in this very newspaper that stressed the importance of writing for engineers and scientists. I would like to take my 300 words this week to further emphasize that point and expound on some of its finer parts.

One of the reasons why Mines is considered to be the most rigorous universities in the state is the fact that it only accepts the best students and develops those few into world-class professionals.

Looking back on the storied and colorful history of science and engineering over the centuries, one thing becomes clear: the greatest minds of the last millennium have been "well-rounded."

In my view, to be well-rounded is more than simply excelling in math and science while having a shallow interest in other fields. It is the quality of a person to be formally proficient in multiple arenas.

While people such as da Vinci are rare, we can still aspire to their greatness. However, as students, if we become comfortable with the status quo, then can we really expect Mines to help mold the next great thinkers? From what I have seen (and this was confirmed by last week's article), the status-quo at Mines is sub-par writing skills.

To improve writing skills campus-wide requires two parts. First, the administration must keep emphasizing the need for more writing in the curriculum. Secondly, students themselves

must take up the task of personal self-improvement.

The interesting thing about writing is that it feeds into so many other arenas. To write well is to understand communication on a written level. From that point, it follows that all varieties of communication can be further developed. It is this multi-faceted development that starts to form what it is to be "well rounded."

Editorials Policy

The Oredigger is a designated public forum. Editors have the authority to make all content decisions without censorship or advance approval and may edit submitted pieces for length so long as the original meaning of the piece is unchanged. Opinions contained within the Opinion Section do not necessarily reflect those of Colorado School of Mines or The Oredigger. The Oredigger does not accept submissions without identification and will consider all requests for anonymity in publication on a case-by-case basis. Submissions less than 300 words will receive preference.

Have an opinion?

Write an editorial! We are always looking to hear from our readers and would be happy to publish your thoughts on pressing matters around campus.

You can also write a letter to the editor to voice your opinion about The Oredigger. We're open to suggestions and want to know your thoughts.

Fool's Gold

CSM Meteorology Department orders week-long snowstorm for spring break

Bus activists target parking

Janeen Neri
Panic! at the HoJo

Early Monday morning, the people of Golden and the commuters of Mines were in for a rude awakening. A series of loud explosions “like an allosaurus sneezing,” as one resident put it, rocked the snowy air. When students began arriving on campus, the source of the explosions was located – the Hall of Justice parking lot was, once again, a pile of rubble.

The student body was distraught. “I can’t talk right now,” said one sophomore, sobbing, “this... this was my life. Now it’s just a pile of dust and black.” Another student on the scene seemed more stoic. “There are other parking lots,” he noted, “even other vehicles. I’ve always wanted to try out a bicycle built for two. Oh hey, look, there’s daisies under the lot! Daisy, daisy...”

School officials were more collected. “We don’t have much information at this point,” said parking guardian Alex Macleay, “except for

the spray painted words, ‘No, you idiots, we want the circulator bus!’ followed by the phrase ‘How did the Mines failed?’. We’re hard at work trying to figure out what this message means or what group it might point to.”

The Oredigger managed to get a tip regarding the offenders and spoke to one of their representatives, who asked not to be named. “Um, can they not read?” he asked, when questioned about the stunt, “every other college worth its salt – worth its *environmental* salt – has some kind of shuttle or bus system to get people to classes. I mean, look at how many people live off campus, how many people the school is effectively forcing to drive, how freaking inefficient the whole system is. We shouldn’t have to wait for Golden to get off its fanny [with a circulator bus]. We should already have this service. Should have had it for years.” He then explained that by conceding to the student body’s wishes and building more parking, Mines was putting “short term goals far, far

ahead of long term sustainability. They have appeased the masses, and once again, most of them won’t notice that carbon-colored elephant in the room.”

When told about the purpose behind the destruction, students were outraged. “Are you serious?” said one, a junior, “first the permits, now this! Listen, people, we’re in America right now, and if I find out who any of you commies are, I will bash your sorry, parking-taking face in with an aluminum M. I have a right to drive, you hear? And no one, that’s right, no one can take that from me!” Said another, a sophomore, “Will this make them build that parking structure sooner? Because they’d better. I spend enough on gas without having to circle campus for spots.”

Mines has already begun work rebuilding the lot that was destroyed. “We can’t afford this downtime,” said Macleay, “we’re racing against the Golden permits. Those kids will have our hides if we don’t have parking and to spare by that time.”

E-Days cancelled Dead white men to blame

Ryan Browne
Explosive Ordinance Expert

“When we heard the rumor, we were all like, ‘Man, they would never do that.’” That was the reaction of sophomore Ian McHan.

Other students were equally downtrodden. Freshman Jason Alexander, who asked that his name not be printed noted, “I have been looking forward to this all year. I have been building up my tolerance through steadily increasing my intake all year. Do you know how expensive it is to get that stuff into Weaver?”

The rumor, E-Days cancelled due to Presidents’ Day, was confirmed on Thursday when CSM President Alfred Bobbins held a press conference. “There was a terrible clerical error,” he started. “We didn’t realize that we were depriving students of their state given right to knowledge.” Apparently, for the last several years, the school has been unknowingly ignoring state law requiring 190 days in class.

When President Bobbins finally cowed to student demands and granted Presidents’ Day as an academic holiday, he did so in contradiction to state law.

The school has a full wing of Guggenheim dedicated to ensuring that the school is in compliance with all state and federal laws. The goof up was noticed within a year, but has taken nearly a year to work its way to anyone who cares, namely Provost Romeo.

Said Romeo, “When I saw the report come across my desk, I scheduled a meeting with Al [Bobbins], immediately. We have been working on a solution since Febru-

ary 15.”

Romeo and Bobbins had planned to merely correct the issue in future academic calendars, but this idea was rejected by the state Date Inspector General, Cpl. John Norse.

As Norse pointed out, the state requires that all missed dates be corrected in the academic year in which anybody cares.

As the bulletin has already been published, and tickets sold for graduation, the end of the school year could not be pushed back.

In addition, since all the academic faculty already have plans for Spring Break, no time could be taken from that academic holiday.

The only remaining holiday was E-Days. Romeo proffered, “We heard that the fireworks show was already ruined, so we were hoping people would not be as disappointed. In addition, that event costs the school \$200,000 a year”

Of the 14 people who cared enough to attend the press conference, excluding ASCSM members, only one really agreed with Romeo.

“Yeah, I only leave my room for the fireworks because those were great to watch while on acid. Other than that, I just kind of nurse the keg I steal from the Slate Cafe loading docks,” said one student (who preferred to remain unnamed). “Now I will probably just mess with the tow truck driver and maybe leave quarter sticks of dynamite around the IM fields.”

The rest noted that they planned to continue the E-Days traditions, regardless of the cost. “E-Days was here when we got here, and we intend to make sure that the freshmen have the same

chance to get completely wasted and sober up in Clear Creek.”

Following the press conference, the crowd split into two groups. ASCSM all congregated about ASCSM President Connie Lorpe and Board of Trustee’s representative Brad Thrilling.

Lorpe stated that she and Thrilling would be working with the rest of ASCSM Executive Committee to draft a proposal that would be brought up at the ASCSM meeting on April 14, denouncing the administration not consulting the student body in making this decision.

Meanwhile, the rest of the students created an impromptu organization, including a full hierarchy. The group exchanged contact information, set up two Facebook groups, one public and one private, started designing fliers, and planned a meeting.

While they would not tell the Oredigger what they intended to do, they did give us a hint. “Our voice will be heard all across campus, all in one big ...”

Romeo did not express concern over the ominous warning. “We know that Mines students do not have enough time or enough of an interest in the happenings on campus to do anything. Though we will be warning faculty members and maintenance that most of campus may be drunk those two days.

“We do not expect that any changes will result in the Mining department, and we expect a great jump in productivity in all Computer Science classes. Some of our CompSci graduate students will be doing one of the most in-depth searches for the Ballmer peak to date.”

THE RUMOR MILL

Campus rumors debunked

Ian Littman
Professional Muckraker

Rumor: Thursday evening’s “free Chipotle” party, put on by the Senior Class, sent the company’s stock, NYSE:CMG, to a record high on Friday.

Status: Maybe...

Description: Correlation isn’t causation...or is it? The Junior, Sophomore, and Freshman classes have partnered with the Department of Economics and Business to find out.

Rumor: ASCSM to initiate an outreach program to let the rest of the campus know what the heck they’re doing.

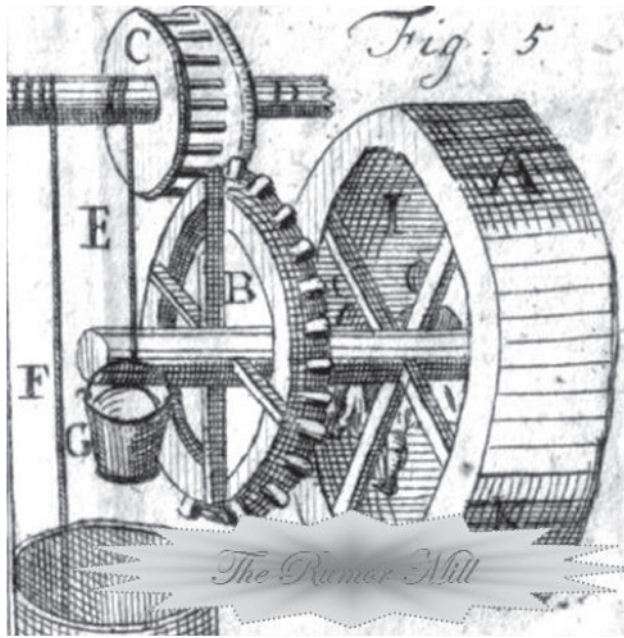
Status: Busted.

Description: ASCSM members are required to take a strict vow of secrecy as to their positions, and the last reporter to cover ASCSM meetings was seen entering Alderson Hall... three years ago. She was never heard from again.

Rumor: E-Days Committee to change Roaring TwentE-Days to SustainabilityE-Days at last minute.

Status: Confirmed.

Description: “Two people on-campus were offended by ZombiE-Days,” an anonymous source explained, “so we couldn’t do that.” The E-Days Committee also realized that the Roaring TwentE-Days theme could be taken wrongly by students, sending them into a grim state of depression for the following month. Of course, the real reason for the change was a government grant from the Obama administration; by changing the theme of E-Days the committee got a \$12 million bailout check. Green Day will headline in this year’s E-Days concert.



Top ten places not to spend Spring Break

Ian Littman
Nowhere Man

- 10) Quant Lab
- 9) Arthur Lakes Library
- 8) The basement of Meyer Hall
- 7) Anywhere near a tectonic plate boundary
- 6) Facebook
- 5) An unstable banana republic
- 4) Your sketchy friend's even sketchier seaside condo
- 3) BFE (unless there are beaches)
- 2) North Korea
- 1) Anywhere within a mile of Mines (Coors excepted)

GM credits seven-year old girl for new concept car

Erik Lord
Staff Writer

While most second grade children are chasing each other around the playground, Flint, Michigan's Ashley Fox will be using state-of-the-art design software at the General Motors Renaissance Center in Detroit. Fox won a national design contest last week for her revolutionary automobile concept sketch and has been given a company-sponsored internship to work with the company's finest architects on finalizing the design.

"Genius has no age requirement," said General Motors President Chad Brennan. "Ms. Fox has a gift. She's certainly the youngest designer to ever win this contest, and we are expecting big things from her in the future."

Fox's design, pictured here in its original crayon and paper form, has been described as "clean, simple, and classic" by leading automotive engineers. Ashley's design was chosen over submissions from a pool of thousands including many submitted by college-level automotive engineering students.

"Sometimes as designers we're so focused on innovation that we forget about the origins of vehicle design," explained GM Senior Designer Yoshi Suzuki. "Fox's use of clean lines and simple shapes has

taken us back to the beginning, when the way a design made you feel was more important than impressing critics at the Geneva Car Show." He said the design reminded him of the early seventies Ford Pinto. "The Pinto was a similar car with a comforting and revolutionary shape. It was pleasing to the eye, and made you feel alive just to look at it. If it hadn't consistently burst into flame in rear-end collisions [due to the lack of a true rear bumper and the placement of the fuel tank between the body panel and rear differential], you'd see more vehicles today inspired from those lines."

Ashley's parents, Greg and Nancy Fox, are extremely proud of their daughter and the potential she has for the future. "I know things have been tough for the auto industry here in the United States," Greg told reporters in a news conference Friday. "But I hope my daughter's design can show the world that we have innovative minds in our next generation...we are not going down without a fight."

The U.S. auto industry could use a shot of hope from Ashley's generation. General Motors has taken a turn for the worse in the past few years. With decreasing profits, including a net loss of nearly 32 billion dollars in 2008, the company was forced to file Chap-

ter 11 bankruptcy in June last year. The struggling automaker was bailed out by the U.S. federal government, and is now owned by the Department of the Treasury. The move by General Motors to solicit the services of unpaid child interns like Ashley will save the company hundreds of thousands of dollars.

Ashley was very shy during her exclusive interview with The

Oredigger, but did express her excitement to be part of the rebuilding of GM's global automotive presence. "I like drawing," she said sheepishly, "and they told me I could have all the crayons I want!" While her design depicts a paint scheme heavily dotted with various yellow and red flowers, it is still uncertain whether these features will reach the final production models.

Fox explained her use of the bright flowers. "I like pretty flowers," she explained. "Spring has always been my favorite season."

With brilliant young minds joining forces with General Motors, the future of the auto industry in the United States seems extremely bright – much like the colorful crayons Ashley Fox used to create her revolutionary design.



ERIK LORD / OREDIGGER

—sudoku—

	8	2			6	1		
4		6	5					
					4	6	3	8
				5	7	3		
5	6						7	
9				4		8		5
	5			1				6
	7		4	9				
		4	3				1	

—solution—

7	1	6	5	9	3	4	2	8
3	8	5	2	6	4	1	7	9
9	4	2	8	1	7	6	5	3
5	2	8	3	4	9	7	1	6
1	7	4	6	2	8	3	9	5
6	9	3	7	5	1	8	4	2
8	3	9	4	7	2	5	6	1
2	6	7	1	8	5	9	3	4
4	5	1	9	3	6	2	8	7

Function argument is dependent variable, committee rules

Janeen Neri
Mathematical Stickler

A multinational standards committee decided last Thursday that the "x-axes" of functions mark changes in the dependent variable. The committee members cited many factors in their decision, which was aimed at creating more uniformity in function naming and treatment. "Scientists," committee member Richard Cantillon, "and especially engineers, tend to undervalue consistency. They think that modifying their standards, their status quo, is not worth the hassle, without accounting for the recurring hassle caused by using different systems."

The ruling was met with strong opposition even within Mines community. "While it might be amusing, for a while," said differential equations professor Rick Ganupul, "to refer to every single function in this class as a 'time function,' I can't help but think that this might obscure some of the data. Is this a time function where time evolves in response to population growth, or is this a time function that responds to weather fluctuation? Also, won't it create confusion if a wave generates two identical functions, but one tracks the way that the amplitude of the wave relates to the flow of time, but the other function tracks

how the amplitude influences the location the measurement is being taken, while *preventing* the flow of time?" Other professors, particularly those in the chemistry

department, adamantly refused to make the switch. "I don't care how consistent the new system is," said chemistry professor Dr. Marcus Yeager, "there is more to chemistry than color changes in phenolphthalein reaching up out of the beaker to adjust how much titrant is dripped in."

However, a small portion of campus did favor the change. Said economics professor Al Marshall, "it's about time the rest of society caught up with us! It is a bit tiresome to have to explain to students every semester that their curve is the wrong way. They've been indoctrinated all their lives

by scientists and mathematicians who have the gall to think they get to decide how graphs should be drawn."

The rest of the economics department at Mines had similar sentiments. "I love this new standard!" said economics professor Fleeming Jenkin, "although I'm kind of wondering what I have left to teach my students. The 'you're drawing your graph the wrong way' discussion was a great space-filler. It was also the last of the Principles course goals

that wasn't immediately intuitively obvious to anyone who reads a newspaper occasionally. Remind me why we have to start the students out at this level? Oh yeah, so the CS department doesn't feel so bad about 'Introduction to That Machine Thingy You've Been Using Every Day.'

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[HTTP://RECSports.MINES.EDU](http://RECSports.MINES.EDU)

**GET OUT
AND
PLAY!**

DEADLINES

**-NCAA PICK 'EM
WED 3/17 @5PM**

**-KICKBALL *ALL SPORTS TROPHY*
THURS 3/25 @5PM**

**-TENNIS DOUBLES
THURS 3/25 @5PM**

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